

Title (en)  
PERMANENT MOULD FOR CASTING LIGHT METAL CASTING MATERIALS AND USE OF SAID TYPE OF PERMANENT MOULD AND A CASTING MATERIAL

Title (de)  
KÜHLKOKILLE ZUM VERGIESSEN VON LEICHTMETALL-GUSSWERKSTOFFEN UND VERWENDUNG EINER SOLCHEN KOKILLE SOWIE EINES GUSSEISENWERKSTOFFS

Title (fr)  
COQUILLE DE REFROIDISSEMENT POUR MOULER DES MATERIAUX DE COULEE A METAUX LEGERES, ET UTILISATION D'UNE COQUILLE DE CE TYPE ET D'UN MATERIAU DE FONTE

Publication  
**EP 1841554 A1 20071010 (DE)**

Application  
**EP 06706440 A 20060127**

Priority  
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• DE 102005004481 A 20050131

Abstract (en)  
[origin: US2008190583A1] A chill mould for the casting of light metal casting materials is provided. The chill mould is manufactured from an Ni-alloyed and/or Mn-alloyed cast iron material, of which the Ni and/or Mn content is dimensioned in such a way that the thermal coefficient of expansion of the chill mould is adjusted to the thermal coefficient of expansion of the light metal casting material, which is to be cast in each case. A chill mould is provided which can be manufactured in an economical manner which possesses optimized properties of use and at the same time allows for optimized casting results. Such a chill mould can be a constituent part of a sand casting mould for the casting of a cylinder block from a light metal casting material.

IPC 8 full level  
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CPC (source: EP US)  
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